



TM

Ref. Certif. No.

DE 2-045836

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Hybrid Inverter

Name and address of the applicant

Sungrow Power Supply Co., Ltd.
No.1699 Xiyou Rd., New & High
Technology Industrial, Development Zone, Hefei, 230088
Anhui, P.R. China

Name and address of the manufacturer

Sungrow Power Supply Co., Ltd.
No.1699 Xiyou Rd., New & High
Technology Industrial, Development Zone, Hefei, 230088
Anhui, P.R. China

Name and address of the factory

See additional page(s)

Ratings and principal characteristics

See page 3

Trademark (if any)

SUNGROW(Logo)

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

1) SH5RL , 2) SH6RL , 3) SH8RL 4) SH10RL

Additional information (if necessary may
also be reported on page 2)

Detail information refer to test report CN25PUQ3 001

A sample of the product was tested and
found to be in conformity withIEC 62109-2:2011
IEC 62109-1:2010
IEC 62477-1:2022As shown in the Test Report Ref. No. which
forms part of this Certificate

CN25PUQ3 001

This CB Test Certificate is issued by the National Certification Body



TÜVRheinland®

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Date: 2025-12-04

Signature:

Dean Cao

1. Sungrow Power Supply Co., Ltd.
No. 608, Changning Avenue,
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2. Sungrow Developers (Thailand) Co., Ltd.
No.666 Moo.6, Bueng Subdistrict, Si Racha District,
Chonburi Province 20230
Thailand
3. Sungrow Developers (India)
Private Limited
Kasaba Hobli, Nelamangala Taluk, Bangalore,
Survey No.250/3, T-Begur Village,
Karnataka 562123, India

Additional information (if necessary)

Report Ref. No. : CN25PUQ3 001



Date: 2025-12-04

Signature:

Dean Cao

Additional information :

Type Designation	: 1) SH5RL, 2) SH6RL, 3) SH8RL, 4) SH10RL
For PV input data	: See below
Vmax PV [Vd.c.]	: 500
Isc PV [Ad.c.]	: 1) 2) 50(25/25), 3) 4) 75(25/25/25)
Max. Input Current [Ad.c.]	: 1) 2) 40(20/20), 3) 4) 60(20/20/20)
MPPT Voltage Range [Vd.c.]	: 40-425
For Grid data	: See below
Nominal output power[W]	: 1) 5000, 2) 6000, 3) 8000, 4) 10000
Nominal output voltage [Va.c.]	: 220,230,240 (L/N/PE)
Normal operating voltage range [Va.c.]	: 154-276
Normal output frequency[Hz]	: 50/60
Max. output current [Aa.c.]	: 1) 22.7, 2) 27.3, 3) 36.4, 4) 45.5
Power Factor (full load)	: [-0.8, 0.8]
For backup data	: See below
Nominal output power[W]	: 1) 5000, 2) 6000, 3) 8000, 4) 10000
Nominal output voltage [Va.c.]	: 220,230,240 (L/N/PE)
Nominal output Frequency [Hz]	: 50/60
Max. output current [Aa.c.]	: 1) 25, 2) 30, 3) 40, 4) 50
For Battery side	: See below
Battery type	: Li-ion battery
Voltage Range [Vd.c.]	: 40-60
Max. charge/discharge current [Ad.c.]	: 1) 120/120, 2) 135/135, 3) 190/190, 4) 220/220
Max. charge/discharge power [W]	: 1) 5000/5000, 2) 6000/6000, 3) 8000/8000, 4) 10000/10000
General information	: See below
Ingress protection (IP)	: IP65
Operating temperature [°C]	: -25 to 60 (>45 de-rating)
Protective Class	: Class I
Overvoltage Category (OVC)	: II for DC, III for AC
Pollution degree (PD)	: PD2(inside), PD3(outside)
Altitude [m]	: Up to 2000



Date: 2025-12-04

Signature: Dean Cao

